

MODULAR TDX PANEL PROTECTOR, 200 KA WITH SURGE COUNTER, 277/480 V UN, 3PH 4W+G

CATALOG NUMBER

TDX200S277480



CERTIFICATIONS



FEATURES

Transient Discriminating (TD) Technology provides increased service life

Modular design allows easy replacement of surge modules

Built-in features include TD Technology, thermal protection and short circuit current fusing

Compact NEMA®-4 enclosure design can be flush mounted or installed in a small space

Status indication flag per mode, voltage presence LEDs, audible alarm and voltage-free contacts providing remote status monitoring

200kA 8/20µs maximum surge rating provides protection suitable for service entrance, main-distribution panels and highly exposed applications

PRODUCT ATTRIBUTES

Nominal System Voltage (Un): 277/480 V

Distribution System: 3Ph 4W+G

Max Continuous Operating Voltage (Uc): 320/550 VAC

Stand-off Voltage: 480/831 VAC

Frequency: 50 – 60 Hz

Short Circuit Current Rating (SCCR): 200 kA

Nominal Discharge Current (In), IEC: 40 kA 8/20 μ s

Nominal Discharge Current (In), UL: 20 kA 8/20 μ s

Max Discharge Current (Imax), Per Phase: 200 kA 8/20 μ s

Impulse Current (Iimp), Per Mode: 25 kA 10/350 μ s

Voltage Protection Rating (VPR), L-N: 1,000 V @ 3 kA; 1,800 V @ 20 kA

Protection Modes: L-N; L-PE; N-PE

Status Indication: LED; Mechanical flag; Audible alarm

Technology: TD technology with thermal disconnect; Over-current replaceable cartridge fusing; EMI/RFI filter

Remote Contacts: Yes

Lead Length: 30"

Lead Size: #10

Ground Lead Length: 36"

Temperature: -40 to 176 °F

Enclosure Material: Metal

Enclosure Rating: IP 65; NEMA®-4

Mounting: 3/4" straight nipple

Surge Counter: Yes

Depth (D): 3.070"

Height (H): 9.450"

Width (W): 5.120"

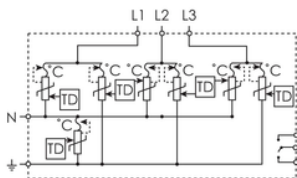
Unit Weight: 4.400 lb

Certification Details: UL® 1449 Edition 5 Type 2, 20 kA Mode

Complies With: ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C; ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 3, 100 kA 8/20 μ s, 10 kA 10/350 μ s; IEC® 61643-1 Class I, Class II

Replacement Module: TDS150M277

DIAGRAMS



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

North America

+1.800.753.9221

Option 1 – Customer Care

Option 2 – Technical Support

Europe

Netherlands:

+31 800-0200135

France:

+33 800 901 793

Europe

Germany:

800 1890272

Other Countries:

+31 13 5835404

APAC

Shanghai:

+ 86 21 2412 1618/19

Sydney:

+61 2 9751 8500



Our powerful portfolio of brands:
nVent.com CADDY ERICO HOFFMAN RAYCHEM SCHROFF
TRACER